

WHAT IS CLAIMED IS:

1. A slim USB male connector with system grounding, mating with a USB socket, the USB socket having a frame stamped with a plurality of tongues, a mating board mounted in the frame, and four terminals mounted on a bottom of the mating board, wherein the USB male connector is received in a space between the mating board and a bottom wall of the frame, the slim USB male connector comprising:

a circuit board formed with a plurality of circuits on top and bottom surfaces thereof;

four contacts formed on the top surface of the circuit board and connected with the circuits thereon; and

a grounding plate mounted on the bottom surface of the circuit board and connected with a grounding circuit thereon, wherein the grounding plate connects with the tongues of the USB socket for achieving system grounding.

2. The slim USB male connector with system grounding as claimed in claim 1, further comprising a storage device extending from an end of the circuit board and forming a flash memory card.

3. The slim USB male connector with system grounding as claimed in claim 1, further comprising a cable connecting with an end of the circuit board and electrically connecting with the circuits of the USB male connector.

4. The slim USB male connector with system grounding as claimed in claim 3, wherein the cable is connected to a computer peripheral device.

5. The slim USB male connector with system grounding as claimed in claim 3, wherein the cable is connected to an electrical connector and forms an connecting cable for transferring data between electric devices.

6. The slim USB male connector with system grounding as claimed in claim 1, wherein the grounding plate is formed by stamping a metal board and has two ends respectively soldered on a bottom of the circuit board.

5 7. The slim USB male connector with system grounding as claimed in claim 1, wherein the circuit board further comprises an insulative housing covered around a periphery of the circuit board, and wherein the insulative housing is formed with grooves for exposing the contacts and the grounding plate outside

10 8. The slim USB male connector with system grounding as claimed in claim 7, wherein the insulative housing has a pair of grounding grooves for exposing the grounding plate and receiving the tongues of the frame of the USB socket therein.

15 9. The slim USB male connector with system grounding as claimed in claim 7, wherein the insulative housing has a pair of protruding walls respectively protruding from two side edges thereof and respectively inserting into side gaps between the mating board and two sides of the frame of the USB socket.